

===== WPI =====

TI - Additive for paper making, reducing coagulation - comprises graft polysaccharide-acrylamide]-based copolymer

AB - J08060591 The additive comprises mainly graft structural polysaccharide-acrylamide-based copolymer obt'd. by copolymerising 100 pts.wt.-vinyl monomer mixt. in aq. dispersion contg. 20-500 pts.wt.-water-dispersing polysaccharide. The vinyl monomer mixt. contains: (a) 40-98 wt.%(meth)acrylamide; (b) 1-50 wt.% anionic and/or cationic vinyl monomer; and (c) 0.01-20 wt.%(meth)acrylamide having chain transfer substit. at its side chain. In addition, the vinyl monomer mixt. may contain a 0-20 wt.%(meth)acrylamide nonionic vinyl monomer except (b) and (c), or 0-1 wt.%(meth)acrylamide crosslinking vinyl monomer.

- ADVANTAGE - The additive has good freeness and fixing to pulp though the additive has pH and viscosity almost equal to those of conventional polysaccharide-acrylamide]-based copolymers. The additive also has a high ion property between pulp fibres and at their contact point and high paper strength increasing effect. This stops excess coagulation and exerts good fixing, exerting superior effects under severe paper making conditions.

- (Dwg.0/0)

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PR - JP19940224090 19940824

PA - (ARAK ) ARAKAWA CHEM IND LTD

MC - A03-A01 A04-D04A A10-C03 A12-W06B A12-W06D F05-A06C

DC - A14 A17 A97 F09

IC - C08F251/00 ;D21H17/24 ;D21H17/37

AN - 1996-185497 [19]

===== PAJ =====

TI - ADDITIVE FOR PAPER MANUFACTURING

AB - PURPOSE: To obtain the subject additive excellent in water filterability and the settability on pulp, despite having nearly equal pH level and viscosity to those of traditional polysaccharide-acrylamide copolymers.

- CONSTITUTION: This additive for paper manufacturing consists mainly of a polysaccharide-acrylamide copolymer with graft structure which is obtained by copolymerizing (A) 100 pts.wt. of a vinyl monomer mixture of (a) 40-98wt.% of (meth)acrylamide, (b) 1-50wt.% of at least one kind of ionic vinyl monomer selected from anionic and cationic vinyl monomers, and (c) 0.01-20wt.% of at least one kind of vinyl monomer having chain transfer-type substituent on the side chain in an aqueous dispersion containing (B) 20-500 pts.wt. of a water-dispersible polysaccharide.

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I - D21H17/24 ;C08F251/00 ;D21H17/37